

Postdoctoral Scholar Tufts University

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Posted Aug. 19, 2025, set to expire Jan. 1, 2026

Job Title	Postdoctoral Scholar
Department	Department of Neuroscience
Institution	Tufts University Medford, Massachusetts
Date Posted	Aug. 19, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Biology - Neuroscience/Neurobiology Biology - Molecular Biology - General
Job Website	https://jobs.tufts.edu/jobs/22225?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The Department of Neuroscience is a basic research department focusing on synaptic biology and glia biology. The lab of Dr. Dulla investigates how synapses are formed and remodeled in the developing nervous system with a broad focus on neurological disease and epilepsy. We address this question in mouse models and apply electrophysiological and imaging approaches, together with mouse behavioral and in vivo electrophysiological studies.

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What You'll Do

Project Summary: Tuberculosis (TB) of the brain, or CNS-TB, is the most severe form of TB and is often fatal. We aim to understand how the bacteria that cause TB affect brain cells and immune responses. Using cutting-edge single cell RNA sequencing, we study human and mouse brain tissues to identify how the disease starts, progresses, and leads to different outcomes. We aim to discover new treatment strategies and build research capacity in Africa through training and collaboration.

We seek a postdoctoral researcher with experience in bioinformatics and single-cell data analysis. Job responsibilities include data analysis and visualization, molecular biology, mouse work, and more:

- Data Analysis and visualization
- Molecular biology
- Mouse husbandry

What We're Looking For

Basic Requirements:

- Knowledge and skills as typically acquired through a doctorate in a field related to neuroscience
- One to three years of postdoctoral experience is preferred
- A record of published scientific research, complex data analysis skills, advanced methodological skills, scientific writing, and scientific presentations are ideal

Preferred Qualifications:

- Knowledge of neuroscience
- Experience with handling rodents
- Previous laboratory experience and familiarity with basic laboratory techniques and procedures
- Experience with confocal microscopy

Pay Range

Minimum \$65,000.00, Midpoint \$65,000.00, Maximum \$65,000.00

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Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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